

What is claimed is:

1) An adjustable mounting device comprising:

A) a base having a bottom and opposed orthogonal sides defining a reclining C;

B) a standing C-shaped portion having a bottom leg, a vertical leg and a top leg parallel to the bottom leg, the bottom leg lying between the opposed orthogonal sides and positioned by a pair of guide dowels that extend between the opposed orthogonal sides and penetrate the bottom leg and a first threaded bolt that penetrates, through an aperture in at least one of the opposed orthogonal sides in the direction of the other of the opposed orthogonal sides and engages a threaded aperture in the bottom leg; and

C) a mounting plate suspended from the top leg and above the bottom leg by a second threaded bolt that penetrates the top leg and engages a threaded aperture in the mounting plate, a third guide dowel extending from the top leg through the mounting plate to the bottom leg, and a mechanism in the mounting plate for retaining an element to be located by the mounting device.

2) The adjustable mounting device of claim 1 wherein the first threaded bolt that penetrates at least one of the opposed orthogonal sides does so

through a counter bored aperture in the at least one of the opposed
orthogonal sides.

3) The adjustable mounting device of claim 2 wherein the second threaded
5 bolt that penetrates the top leg does so through a counter bored aperture
in the top leg.

4) The adjustable mounting device of claim 1 wherein the first and second
threaded bolts have opposing termini and further including a mechanism
10 for rotating the first and second threaded bolts on at least one of the
termini on each of the bolts.

5) The adjustable mounting device of claim 4 wherein the apertures in the at
least one of the opposed orthogonal sides and the top leg are counter
15 bored and the mechanism for rotating the first and second threaded bolts
comprises an Allen head recessed in each of the counter bored apertures.

6) The adjustable mounting device of claim 1 wherein said mechanism in the
mounting plate for retaining an element to be located by the mounting
20 device comprises a threaded aperture in the mounting plate.

7) The adjustable mounting device of claim 1 further including position
indicating marks on the guide dowels.

8) An adjustable mounting device comprising:

A) a base having a bottom and opposed orthogonal sides defining a reclining C;

B) a standing C-shaped portion having a bottom leg, a vertical leg and a top leg parallel to the bottom leg, the bottom leg lying between the opposed orthogonal sides and positioned by a pair of guide dowels that extend between the opposed orthogonal sides and penetrate the bottom leg and a threaded bolt that penetrates at least one of the opposed orthogonal sides through a counter bored aperture in the at least one opposed orthogonal sides in the direction of the other of the opposed orthogonal sides and engages a threaded aperture in the bottom leg; and

C) a mounting plate suspended from the top leg and above the bottom leg by a threaded bolt that penetrates the top leg through a counter bored aperture in the top leg and engages a threaded aperture in the mounting plate, a third guide dowel extending from the top leg through the mounting plate to the bottom leg, and a mechanism in the mounting plate for retaining an element to be located by the mounting device.

9) The adjustable mounting device of claim 8 wherein said mechanism in the mounting plate for retaining an element to be located by the mounting device comprises a threaded aperture in the mounting plate.

10) The adjustable mounting device of claim 8 further including position indicating marks on said guide dowels.

5 11) In combination:

A) a sensor mounted; and

B) an adjustable mounting device comprising:

i) a base having a bottom and opposed orthogonal sides defining a reclining C;

10 ii) a standing C-shaped portion having a bottom leg, a vertical leg and a top leg parallel to the bottom leg, the bottom leg lying between the opposed orthogonal sides and positioned by a pair of guide dowels that extend between the opposed orthogonal sides and penetrate the bottom leg and a first threaded bolt that penetrates, through an aperture in at least one of the opposed orthogonal sides in the direction of the other of the opposed orthogonal sides and engages a threaded aperture in the bottom leg; and

15 20 iii) a mounting plate suspended from the top leg and above the bottom leg by a second threaded bolt that penetrates the top leg and engages a threaded aperture in the mounting plate, a third guide dowel extending from the

top leg through the mounting plate to the bottom leg,
and a mechanism in the mounting plate for retaining
an element to be located by the mounting device
wherein the sensor engages the mechanism in the mounting
plate for retaining an element to be located by the mounting
device.

5

12) The combination of claim 11 wherein the first threaded bolt that
penetrates at least one of the opposed orthogonal sides does so through a
counter bored aperture in the at least one of the opposed orthogonal sides.

10

13) The combination of claim 12 wherein the second threaded bolt that
penetrates the top leg does so through a counter bored aperture in the top
leg.

15

14) The combination of claim 11 wherein the first and second threaded bolts
have opposing termini and further including a mechanism for rotating
the first and second threaded bolts on at least one of the termini on each
of the bolts.

20

15) The combination of claim 14 wherein the apertures in the at least one of
the opposed orthogonal sides and the top leg are counter bored and the

mechanism for rotating the first and second threaded bolts comprises an Allen head recessed in each of the counter bored apertures.

5 16) The combination of claim 11 wherein the mechanism in the mounting plate for retaining an element to be located by the mounting device comprises a threaded aperture in the mounting plate and the sensor includes mating threads.

10 17) The combination of claim 11 further including position indicating marks on the guide dowels.

18) In combination:

A) a sensor; and

B) an adjustable mounting device comprising:

- 15 i) a base having a bottom and opposed orthogonal sides defining a reclining C;**
- ii) a standing C-shaped portion having a bottom leg, a vertical leg and a top leg parallel to the bottom leg, the bottom leg lying between the opposed orthogonal sides and positioned**
- 20 by a pair of guide dowels that extend between the opposed orthogonal sides and penetrate the bottom leg and a threaded bolt that penetrates at least one of the opposed orthogonal sides through a counter bored aperture in the at**

least one opposed orthogonal sides in the direction of the
other of the opposed orthogonal sides and engages a
threaded aperture in the bottom leg; and

5 iii) a mounting plate suspended from the top leg and above the
bottom leg by a threaded bolt that penetrates the top leg
through a counter bored aperture in the top leg and
engages a threaded aperture in the mounting plate, a third
guide dowel extending from the top leg through the
10 mounting plate to the bottom leg, and a mechanism in the
mounting plate for retaining an element to be located by
the mounting device.

19) The combination of claim 18 wherein the sensor is a proximity
sensor.

15 20) The combination of claim 11 wherein the sensor is a proximity sensor.